

*The Liftoff Function*

Use the first example to fill in the table.

$g_b(x)$	Input Rewritten	Value of $g_b(x)$
$g_5(125)$	$125 = 5^y$ $y = 3$ $125 = 5^3$	$g_5(125) = g_5(5^3) = 3$
$g_{27}(9)$		
$g_8\left(\frac{1}{16}\right)$		
$g_{10}(.001)$		
$g_4(1)$		
$g_b(x)$		

liftoff function is  $g_b(x)$